bio-protocol Preprint

Not Peer Reviewed
Ask a question online

FAC sorting

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An abbreviated version of this protocol was published in eLIFE in Sep 2019

Id4 promotes the elimination of the pro-activation factor Ascl1 to maintain quiescence of adult hippocampal stem cells

DOI: 10.7554/eLife.48561

Detailed protocol

Dear Vaishali,
I am afraid you might have miss-interpreted some part of our article. It is not possible to isolate active and quiescent NSCs from the brain directly for IHC and FACS. What we did was to isolate neural stem cells (bulk) and culture them in vitro.
In a more recent paper, we performed single cell RNAseq from tissue and could identify active and quiescent cells, if that will be interesting for you, please check this reference:
https://doi.org/10.1016/j.stem.2021.01.003
Best of luck with your experiments,
Noelia

How to cite:(Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Urbán, N. (2021). FAC sorting. Bio-protocol Preprint. bio-protocol.org/prep970.
2. Blomfield, I. M., Rocamonde, B., Masdeu, M. D. M., Mulugeta, E., Vaga, S., van den Berg, D. L., Huillard, E., Guillemot, F. and Urbán, N.(2019). Id4 promotes the elimination of the pro-activation factor Ascl1 to maintain quiescence of adult hippocampal stem cells. eLIFE. DOI: 10.7554/eLife.48561

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